



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 52]

नई दिल्ली, शनिवार, दिसम्बर 24, 1994 (शैव 3, 1916)

No. 52]

NEW DELHI, SATURDAY, DECEMBER 24, 1994 (NPUSA 3, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 24th December 1994

#### ADDRESSES AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch, Todi Estates,  
III Floor, Lower Parel (West),  
Bombay-400 013.

The States of Gujarat,  
Maharashtra and Madhya Pradesh,  
and the Union Territories of Goa,  
Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana,  
Himachal Pradesh, Jammu and  
Kashmir, Punjab, Rajasthan and  
Uttar Pradesh and the Union Territories of  
Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—387 GI/94

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

The States of Andhra Pradesh,  
Karnataka, Kerala, Tamilnadu,  
and the Union Territories of  
Pondicherry, Laccadive,  
Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floor, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

**Fees :** The fees may either be paid in cash or may be sent by Money Order or payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

(1117)

## पेटेंट कार्यालय

## एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 24 दिसम्बर 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा लखनऊ, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में वर्णित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोअर पार्ले (पश्चिम),  
मद्रास-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा  
दादर एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405; तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोले बाग,  
नई दिल्ली-110005 ।

हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पञ्जाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
61, बालाजाह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडू राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिक्काय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सचनार्थ, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

#### APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARVA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dated claimed under section 135, of the Patent Act, 1970.

21st October 1994

- 868/Cal/94. Ashok Bajaj. Process of producing Gauntlets for use in lead storage Batteries.
- 869/Cal/94. W. Schlafhorst AG & Co., Bobbin carrier transport system for a cross-wound bobbin making textile machine.
- 870/Cal/94. Yamaha Hatrudoki Kabushiki Kaisha. Lubricating oil supply unit for two-cycle engines.
- 871/Cal/94. Shima Seiki Manufacturing Ltd. Method of producing knitted articles.
- 872/Cal/94. The Board of Regents Acting for and on behalf of the University of Michigan. Method of making calcification-resistant bioprosthetic tissue.
- 873/Cal/94. Commonwealth Scientific and Industrial Research Organisation. Cultivation process and constructs for use therein.

(Convention No. PM2009 dated 26-10-93 in Australia Convention No. PM4384 dated 11-03-94 in Australia).

874/Cal/94. ICI India Limited. A novel process for the preparation of long delay detonators.

875/Cal/94. ICI India Limited. A process for treating a cellulosic or cellulose containing textile material to produce improved fabric material.

#### APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13.

4-10-1994

- 474/Bom/94. USV Limited. A process for the preparation of N-(2-(4-(aminosulfonyl) phenyl) ethyl) 5-methyl-pyroxinecarboxamide.
- 475/Bom/94. Suresh Chandulal Jhaveri. '2-in-1' thermally insulated simultaneously operating 'HOT-N-COLD' portable box.
- 476/Bom/94. Ontokumpu Research Oy. Method and furnace construction to be used in processes for producing easily volatile metals.
- 5-10-1994
- 477/Bom/94. Ravindra Balkrishna Katre. A scrubber for light domestic use.

6-10-1994

- 478/Bom/94. Chopade Samuel Dasoba. Mycro Air Power Unit.
- 479/Bom/94. Star Industrial & Textile Enterprises Ltd. An improved dyeing machine for dyeing of woven and knitted light fabrics.
- 480/Bom/94. M. Anil Kumar Chandran. Tick task tik A slack game.
- 481/Bom/94. Suresh Chandulal Jhaveri. '3-in-1' mini cost air conditioner cum-simultaneously operable 'HOT or COLD' thermally insulated portable box.

7-10-1994

- 482/Bom/94. Ahmedabad Textile Industry's Research Association Device for automatically opening cotton pads and separating sootcotton therein.

10-10-1994

- 483/Bom/94. Outokumpu Steel Oy. Method and device for producing stainless steel.
- 484/Bom/94. Charles Victor Mosquits. An apparatus for storage & transfer of liquids.
- 485/Bom/94. Sunbird Seals & Plastics Pvt. Ltd. A seal.
- 486/Bom/94. N+M Motronforchung GmbH. A lancrossable electric trolley bus.

11-10-1994

- 487/Bom/94. Unichem Laboratories Ltd. A novel process for the preparation of a novel process for the manufacture of "1- (4-amino-6, 7-dimethoxy-quinolonyl)-4- (2-tetrahydrofuroyl)- piperazine hydrochloride dihydrate from a novel source.
- 488/Bom/94. Hindustan Lever Limited. Packets and their manufacture. U.K. Priority dt. 12-10-93 & 19-1-94.
- 489/Bom/94. Hindustan Lever Ltd. Packets and their manufacture. U.K. Priority dt. 12-10-93 & 8-11-93.

12-10-1994

- 490/Bom/90. Intech Exports Pvt. Ltd. An invention relating to improved device for continuous electrostatic deposition powder paint over articles to be powder coated.
- 491/Bom/94. Pizza Hut (India) Pvt. Ltd. An improved process for manufacturing pizzas.

14-10-1994

- 492/Bom/94. Girish Ghotpowda & Dilip Kulkarni. Spont-wash treatment plant and process therefor.
- 493/Bom/94. Lupin Laboratories Limited. An improved method for the preparation of 2-chloro sulfinyl azotidin-4-one.
- 494/Bom/94. Premjibhai Nagajibhai Patel. Reinforced cement concrete casing pipe.
- 495/Bom/94. National Peroxide Ltd. A process for upgrading cotton seed oil.

17-10-1994

- 496/Bom/94. Vaishon Laboratories Ltd. A novel process for the preparation of 'A novel process for the manufacture of N-(2-(Nitroxy) ethyl) 3-pyridine carboxamide from a novel source.
- 497/Bom/94. Mangesh Madhav Kasboker. Timesharing process control system.

20-10-1994

- 498/Bom/94. Hindustan Lever Limited. Fabric conditioner composition. U.K. Priority dated 22-10-93 & 4-11-93.

24-10-1994

- 499/Bom/1994. Harivadan Lallubhai Parikh. "Indicator for Transport System".
- 500/Bom/1994. M/s. Lekar Pharma Pvt. Ltd. "A novel process to manufacture anti inflammatory and analgesic Diclofenac gel preparation".
- 501/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the preparation of N-(4-methyl-benzenesulphonyl) N-(3-azabicyclo (3.3.0) -3 octyl) urea".
- 502/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the preparation of 7-(1H-te razol-1-yl) acetamido-3- (2-methyl-1, 3, 4-thiadiazol-5yl thio) methylceph-3-em-4-carboxylic acid".
- 503/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "A novel method of using neem seed kernel extract for inhibition of lice in sheep".
- 504/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "A novel process for the manufacture of the composition containing neem extra of Azadirachtin Indica A. Jus for controlling head lice in humans".
- 505/Bom/1994. Indian Petrochemicals Corporation Limited, Indian Oil Corporation Ltd., & Engineers. "A process for the production of pure saturated hydrocarbon".
- 506/Bom/1994. Rashmibhai Pursottambhai Shah. Tray robo machine system.
- 507/Bom/1994. Mahamad Iqbal Mahomudmiva. Armature winding machine.
- 26-10-1994
- 508/Bom/1994. Pritam Lal Rajak. Three Directional fan cum cooler.
- 509/Bom/1994. Madhav N. Damle. "High Resolution, Remotely Resettable Time clock".
- 510/Bom/1994. Shri Goteti Sri Krishna Mohan Rao. "A Method for Encapsulation of Hydraulic Pressure Energy".
- 511/Bom/1994. Hindustan Lever Limited. Oral Compositions.
- 28-10-1994
- 512/Bom/1994. Dr. Pranab Dashtidar. Filament Solar Cell and Printed Circuit Panel Assembly.
- 513/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the manufacture of the extract obtained from Ayurvedic Medicinal Plant, viz., 'KANTAKARI'."
- 514/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the manufacture of the extract obtained from Ayurvedic Medicinal Plant, viz., 'ARJUNA'."
- 515/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the manufacture of the extract obtained from Ayurvedic Medicinal Plant, viz., 'LODHRA'."
- 516/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "AN improved process for the manufacture of the extract obtained from Ayurvedic Medicinal Plant, viz., 'BRAHMI'."
- 517/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the manufacture of the extract obtained from Ayurvedic Medicinal Plant, viz., 'KIRATATIKA'."
- 518/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the preparation of 1-(2-methoxy-2-phenylethyl)-4- (2-hydroxy-3-methoxy-3-phenylpropyl) piperazine".

- 519/Bom/1994. Atul Products Limited. A process for the preparation of water soluble tris-azo acid dyestuffs.
- 520/Bom/1994. Atul Products Limited. A process for the preparation of N, N'-diethyl-N, N'-bis (4-amino-phenyl) urea.
- 521/Bom/1994. Atul Products Limited. A process for the preparation of water soluble tetra-kis azo acid dyestuffs.

31-10-94

- 522/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the manufacture of the extract obtained from Ayurvedic Medicinal Plant, viz. 'PUSHKARMOOL'."
- 523/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the manufacture of the extract obtained from Ayurvedic Medicinal Plant, viz. 'KUTAJA'."
- 524/Bom/1994. M/s. J.B. Chemicals & Pharmaceuticals Ltd. "An improved process for the preparation of 1- (3-ethyloro-2-hydroxypropyl) 2-methyl-5-nitroimidazole."
- 525/Bom/1994. Filterwerk Mann & Hummel GmbH. A Fastening Element for Fastening A component on a Rubber-Elastic Tube or Preform.
- 526/Bom/1994. Indian Petrochemicals Corporation Ltd. A Process for the manufacture of linear alpha-olefins".

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनो में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके विनिर्देश की तिथि से चार (4) महीने या अधिक ऐसी अवधि में उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट विनियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक

महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एक्स को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 35 E

174481

Int. Cl.4: C 04 B 35/10.

## PROCESS OF MAKING A CERAMIC ARTICLE.

Applicant: SOCIETE EUROPEENNE DES PRODUITS REFRACTAIRES, A FRENCH COMPANY, OF "LES MIROIRS", 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventors: CHRISTOPHE BERT AND DANIEL URFFER.

Application for Patent No. 131/DEL/89 filed on February 10, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 3 Claims

A process of making a ceramic article consisting of crystalline corundum and zirconia phases and of a vitreous phase, said zirconia being substantially in monoclinic form from the core to the skin of said article, and having in at least one of its parts, a thickness lower than or equal to 30 mm and being intended for an application where mechanical strength and/or abrasion resistance are of primary importance, said process comprising the steps of fusing under conventional oxidizing conditions and casting in a mold a composition consisting of from 20 to 45 wt. % of  $ZrO_2$ , from 5 to 20 wt. % of  $SiO_2$ , from 0.15 to 4.25 wt. % of  $K_2O$  upto 2.7 wt. % of  $Na_2O$ , traces of  $Fe_2O_3$ ,  $TiO_2$ ,  $CaO$  and  $MgO$  and the balance being  $Al_2O_3$  with the proviso that the total percentage by wt. of said  $Fe_2O_3$ ,  $TiO_2$ ,  $CaO$  and  $MgO$  does not exceed 0.3% by wt. and that the wt. ratio  $Na_2O+K_2O/1.52$  is in between  $SiO_2$ .

0.07 and 0.14 inclusive.

(Comp. Specn. 21 pages;

Drawg. sheets Nil)

Ind. Cl. : 32F. (b)

174482

Let. Cl.<sup>4</sup> : C 07 D 253/00.

**TRIAZINE-CONTAINING MULTISILANE COUPLING AGENTS FOR COATING GLASS FIBERS, FOR ADHESIVES, AND FOR PROTECTIVE COATINGS.**

Applicant : THE B.F. GOODRICH COMPANY, OF 3925  
EMBASSY PARKWAY, AKRON, OHIO-443134, U.S.A.

Inventor: Angelo Joseph Magistro, of 11017 Brookview,  
Brecksville, Ohio 44141, U.S.A.

Application for Patent No. 162/Del/89 filed on 20th February 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 5 Claims

A process for preparing glass fibers having improved adhesion to synthetic resinous materials, said process comprising:

(a) treating said glass fibers with a multisilane coupling agent having a structure selected from compounds of Formulae III and IV of the accompanying drawings

wherein O represents

$$R_n \qquad \qquad \qquad R'_n$$
$$-\text{NH}-\text{X}-\text{Si}-(\text{OR})_3 \text{ or } -\text{NH}-\text{X}_1-\text{N}-\text{X}_2-\text{Si}-(\text{OR})_3$$

wherein X represents a divalent radical selected from the group consisting of C<sub>1</sub>-C<sub>10</sub> alkylene-(CH<sub>2</sub>)<sub>1-10</sub>, and C<sub>6</sub>-C<sub>20</sub> aralkyl;

R represents C<sub>1</sub>-C<sub>8</sub> lower alkyl;

R' represents H, C<sub>1</sub>-C<sub>8</sub> alkyl, phenyl, or C<sub>7</sub>-C<sub>8</sub> aralkyl;  
and

$n$  has a value of 0 or 1;

along with a polymer film former such as herein described.

(Comp. Specn. 28 pages;

Drwg. 1 sheet)

Ind. Cl.: 172 D-4

174483

Int. Cl.<sup>4</sup> : D 01 H 9/00.

### BOBBIN CHANGER IN A SPINNING DEVICE.

**Applicant: MASCHINENFABRIK RIETER AG., OF  
KLOSTERSTRASSE 20, CH-8406 WINTERTHUR, SWIT-  
ZERLAND.**

Inventors : LOUIS VIGNON.

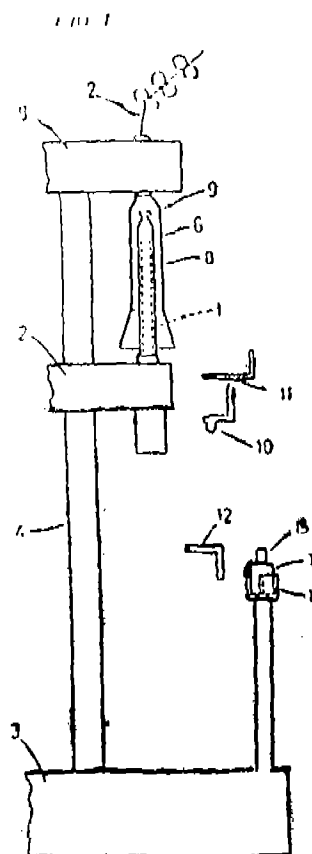
Application for Patent No. 166/DEL/89 filed on February 21, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 5 Claims

A bobbin changer in a spinning device with a rotatable and axially displaceable spindle associated with a cap-shaped thread guide member rotatable about the spindle axis, an extension releasably mounted on the free end of the said spindle or of the bobbin carried by the latter, for winding thereon a yarn section of a limited length prior to bobbin change, and characterised by a bobbin holder element movable by drive means transversely to the spindle axis between a first position in continuation of the spindle axis and a second position adjacent the spindle in order to take over a full bobbin from the spindle and transfer same to the said second position and to

transfer an empty bobbin tube from the second position to the first position, and by at least one supporting element movable by a drive means transversely to the spindle axis from a point adjacent the spindle to a point in continuation of the spindle axis in order to carry, at that point, the aforementioned extensioned during the bobbin change.



(Comp. Specn. 11 pages;

Drwg. 2 sheets)

Ind. Cl.: 155 F 1-12

174484

Int. Cl.: C 09 K-21/00 21/06.

## FLAME RETARDANT, HIGH TEMPERATURE RESISTANT POLYIMIDE FIBRES.

Applicant: LENZING AKTIENGESELLSCHAFT, OF A-4860 LENZING, AUSTRIA.

Inventor : KLAUS WEINROTTER & ROBERT VODI-  
UNIG.

Application for Patent No. 168/DEL/89 filed on 21 February 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi.

#### 4 Claims

A method of producing flame-retardant, high temperature resistant moulded bodies based on polyimide fibres having structural units of the general formula shown in Fig. 5 of the accompanying drawings wherein R is the group of the formula shown in Fig. 6, 7 and/or 8 of the drawings which comprises :

heating a composite of fibres having structural units of the formula show in Fig. 5 which fibres develop a shrinking force of from 0.3 to 1.1 cN under the influence of heat, exhibit a fibre shrinkage of from 20% to 60% under the influence of heat and contain low-molecular components from the group comprising solvents and oligomers in an

amount of from 0.5 to 3%, said heating being effected at a temperature above the glass transition range of between 280°C and 350°C, and

using moulding means, such as a matrix to bring said composite of fibres to the desired shape.

the initial density of the composite of fibres being increased up to ten times during moulding, whereby cohesive bonds between individual fibres are formed under the influence of heat.

(Comp. Specn. 20 pages;

Drwg. 3 sheets)

Ind. Cl.: 101 E

174485

Int. Cl.<sup>4</sup>: B 67 D 5/00

DEVICE FOR TRANSFERRING FLUID BETWEEN A STRUCTURE ON THE SUBSEA FLOOR AND A SUPPORT ON THE SEA SURFACE.

Applicant: COEFLEXIP, OF 23, AVENUE DE NEUILLY, 75116 PARIS, FRANCE.

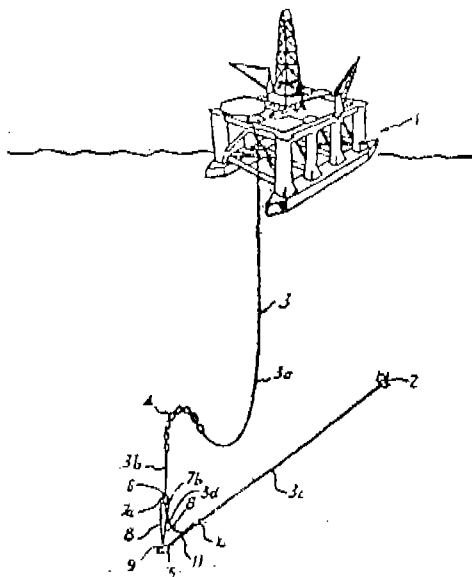
Inventor: RENE MALOBERT, PATRICK NARZUL.

Application for Patent No. 180/DEL/89 filed on February 27, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 11 Claims

A device for transferring fluid between a structure on the subsea floor and a support on the sea surface, particularly for the gathering and lifting of oil produced from a subsea deposit, said device having at least one hose extending in a catenary between the surface support and an intermediate element imparting to the hose, over a portion of its length, a curved configuration of concavity turned toward the floor, characterised by said hose, between said intermediate element and the subsea structure, being kept in tension by a connection to a stationary point on the sea floor; an anchor at said stationary point, and connected thereto holding means for maintaining in tension a portion of the hose located between the intermediate element and the holding means, and to impart to the hose in the vicinity of the anchor, in a vertical plane, a curved configuration of concavity turned toward the subsea structure.



(Comp. Specn. 13 pages;

Drwg. 4 sheets)

Ind. Cl.: 99 B

174486

Int. Cl.<sup>4</sup>: B 65 B, 3/00.

SELF-EXPANDING FLEXIBLE POUCH.

Applicant: THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA.

Inventors:

- (1) WILLIAM ALLEN COX.
- (2) JAMES BERGER CAMDEN.
- (3) GEORGE LEROY ROSEBERRY.

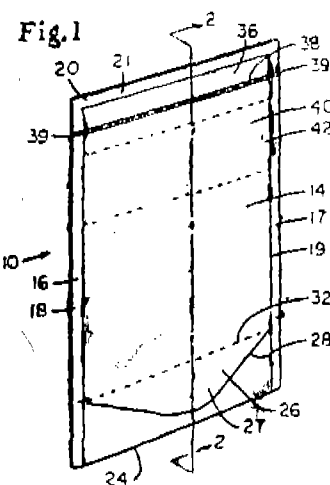
Application for Patent No. 1009/Del/89 filed on 3rd November 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 10 Claims

A self-expanding, flexible pouch having a top portion and a throat area, said pouch comprising:

- (a) front and back sidewall panels superimposed over one another and sealed together along their top, side, and bottom peripheral edges, said panels having an inner surface; and
- (b) an extensible stay attached to said inner surface of said sidewall panels and located in said throat area of said pouch, said extensible stay having a relaxed, expanded configuration and a stressed, collapsed configuration, said stay initially being held in its said stressed, collapsed configuration by said top portion of said pouch, whereby said stay expands to its said relaxed, expanded configuration when said top portion of said pouch, is removed, thereby expanding said throat area of said pouch.



(Comp. Specn. 19 pages;

Drwg. 2 sheet)

Ind. Cl.: 32 E

174487

Int. Cl.<sup>4</sup>: C 08 G, 18/14, C 08 J, 9/00.

A SYNTHETIC RESIN FOAM AND METHOD OF PRODUCING THE FOAM.

Applicant: KENEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, 2-4, 3-CHOME, NAKANOSHIMA KITA-KU, OSAKA, JAPAN (A JAPANESE CORPORATION).

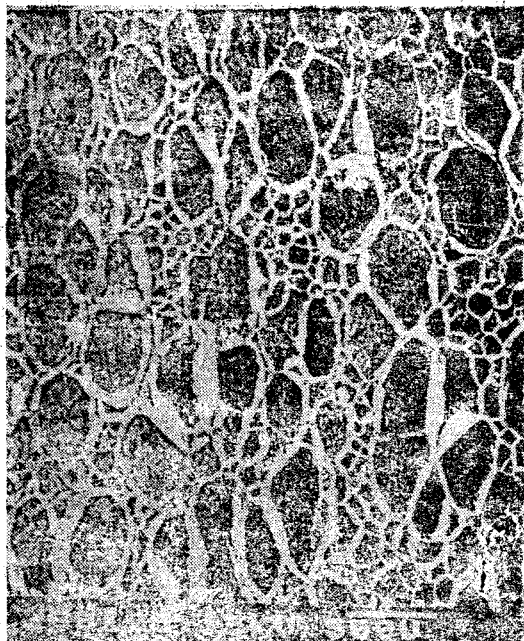
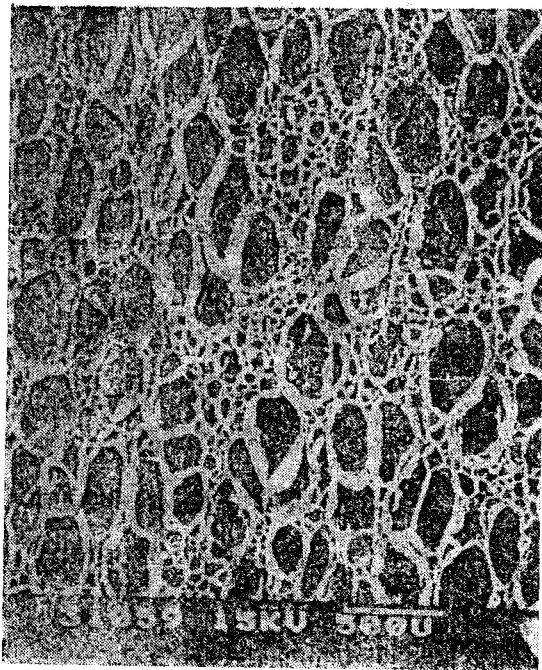
Inventor: SHIGERU MOTANI, TADAYUKI SATTO, TOSHIYAITO.

Application for Patent No. 681/DEL/89 filed on 2nd August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 5 Claims

A method of producing foam comprising the steps of (A) forming a mixture of (a) a synthetic resin; (b) a water containing granular matter as herein described, having hydroxyl groups and having 10% to 70% by weight of the rate of the absorption of water, a C<sup>1</sup> to C<sup>4</sup> alcohol or mixtures thereof, and (c) a cell controlling agent, wherein the said granular matter is present in an amount from 0.5 to 10 parts by weight of the resin, and the cell controlling agent is present in an amount from 0.05 to 5 parts by weight of the resin.



(Comp. Specn. 20 pages;

Drwg. 4 sheets)

Ind. Cl.: 27 I

174488

Int. Cl.: A 04 G, 21/00.

#### APPARATUS FOR TESTING STRENGTH AND DEFORMATION CHARACTERISTICS OF SOILS OR ROCK SOILS.

Applicant: DR. PRABIR KUMAR BASUDHAR, INDIAN INSTITUTE OF TECHNOLOGY, KANPUR, THE DIRECTOR, INDIAN INSTITUTE OF TECHNOLOGY, KANPUR AND SAMIR CHAUHAN, 98/1, JIVA SARAI, HAUS KHAS, NEW DELHI, INDIAN NATIONALS.

Inventor: DR. PRABIR KUMAR BASUDHAR & SAMIR CHAUHAN.

Application for Patent No. 822/Del/89 filed on September 14, 1989.

Complete after Provisional filed on May 15, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 8 Claims

An apparatus for testing the strength and deformation characteristics of soils and rocky soils comprising a Probe unit and a Control unit, the Probe unit consists of a central pipe surrounded by an outer pipe which is covered with a rubber membrane tightly pressed against the outer pipe by means of two thrust caps screwed onto the central pipe thereby forming a water-tight seal at the ends of the outer pipe. an inlet pipe provided in the central pipe supplies water through a tube into the inter-space between the outer pipe and the rubber membrane, the Control unit consists of a hydraulic cylinder with a piston therein, driving mechanism for the piston, the cylinder having a port near its bottom end which is connected alternatively to an inlet pipe and an outlet pipe. the inlet pipe is connected to a source of water and the outlet pipe is connected to the inlet pipe provided in the central pipe of the Probe unit.

(Prov. Specn. 4 pages;  
(Comp. Specn. 8 pages;

Drgs. 3 sheets)  
Drgs. Nil)

Ind. Cl.: 40 B

174489

Int. Cl.: B 01 J, 29/00.

#### A PROCESS FOR ISOMERIZATION OF FEED STOCK.

Applicant: UOP, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING IT PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventors:

- (1) J. W. ADRIAAN SACHTLER.
- (2) R. JOE LAWSON.

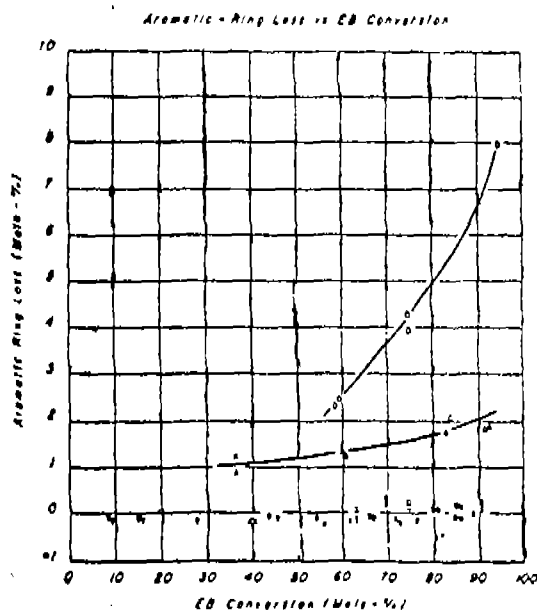
Application for Patent No. 990/Del/89 filed on 27th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 7 Claims

A process of the isomerization of a feedstock containing a non-equilibrium mixture of xylenes and ethylbenzene which comprises contacting such non-equilibrium mixture with a catalyst comprising a combination of a Group VIII metal component, a lead component and a halogen component in an amount of 0.1 to 1.0 mass % of the catalyst with a carrier material containing 1 to 20 mass % of a pentasil

zeolite and an inorganic oxide binder, wherein the atomic ratio of lead to Group VIII metal is from 2 : 1 to 10 : 1 and wherein 80% to 100% of the Group VIII metal component and 60% to 100% of the lead component are combined with the inorganic oxide binder to selectively isomerize xylenes and dealkylate ethylbenzene.



(Comp. Specn. 20 pages;

Drwg. 1 sheet)

Ind. Cl.: 40 E, 32 B

174490

Int. Cl.<sup>4</sup>: B 01 J, 29/00.

A PROCESS FOR SEPARATING P-XYLENE FROM A MIXTURE COMPRISING C<sub>9</sub> AROMATIC HYDROCARBONS, AND AT LEAST ONE OTHER XYLENE ISOMER.

Applicant: UOP, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING IT PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor: HERMANN A. ZINNEN.

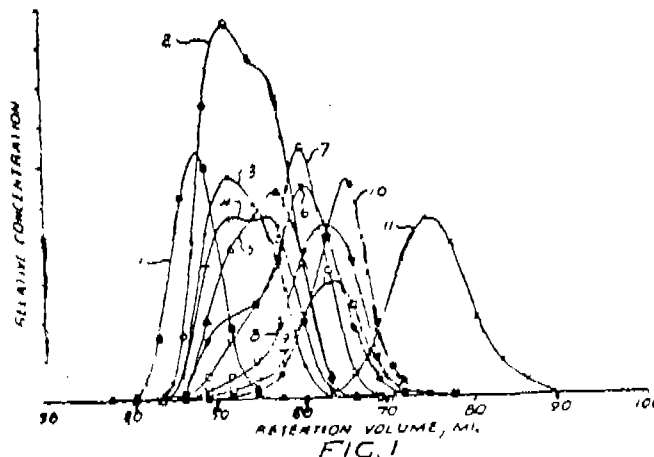
Application for Patent No. 993/Del/89 filed on 31st October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 6 Claims

A process for isolating P-xylene from a mixture comprising C<sub>9</sub> aromatic hydrocarbons, P-xylene and at least one other isomer of xylene comprises the steps of: contacting said mixture with an adsorbent comprising a crystalline aluminosilicate zeolite containing a Group IA or IIA metal ion at exchangeable cationic sites at adsorption conditions such as herein described to effect the selective adsorption of said P-xylene by said adsorbent and to produce a raffinate stream

comprising the less strongly adsorbed C<sub>9</sub> aromatic hydrocarbons and said other xylene isomers and thereafter contacting the resulting P-xylene-containing adsorbent with a desorbent comprising 1, 2, 3, 4-tetrahydronaphthalene, or an alkyl or disalkyl derivative thereof or mixtures thereof, at desorption conditions such as herein described, recovering said P-xylene by desorption from said adsorbent as a first extract stream and if desired a second extract stream comprising more strongly held C<sub>9</sub> aromatic hydrocarbon is recovered in the desorption step after the first extract stream.



(Comp. Specn. 18 pages;

Drwg. 4 sheets)

Ind. Cl.: 62 A 2.

174491

Int. Cl.<sup>4</sup>: D 06 L 3/00.

A PROCESS FOR PREPARING AN AQUEOUS COMPOSITION.

Applicant: ATOCHEM A FRENCH BODY CORPORATE OF LA DEFENSE 10 4 & 8 COURS MICHELET 92800, PUTEAUX FRANCE.

Inventors:

1. GENEVIEVE LANNIEL.
2. JEAN-CLAUDE BOUCHENAK.

Application No. 457/Mas/89 filed on 12th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), The Patent Office Branch, Madras-600 002.

## 6 Claims

A process for preparing an aqueous composition which process comprises mixing, per liter of composition, 100 g to 300 g of potassium carbonate K<sub>2</sub>CO<sub>3</sub> and 0 to 200 g of sodium carbonate Na<sub>2</sub>CO<sub>3</sub>, so that the sum of the K<sub>2</sub>CO<sub>3</sub> and Na<sub>2</sub>CO<sub>3</sub> is from 280 g to 300 g, 50 to 150 g of an alkali metal hexametaphosphate and an alkali metal salt of diethylenetriaminepentamethylenephosphonic acid in an amount such that the quantity of active diethylenetriaminepentamethylenephosphonic acid is 15 g to 50 g.

(Comp. Specn. 11 pages;

No Drgs.)

Ind. Cl.: 40-F

174492

Int. Cl.<sup>4</sup>: B 01 D 3/00.

APPARATUS AND METHOD OF DISTILLING WATER.

Applicant & Inventor: NAISIN LEE, A U.S. CITIZEN OF 862 GARLAND DRIVE, PALO ALTO, CALIFORNIA 94303, U.S.A.

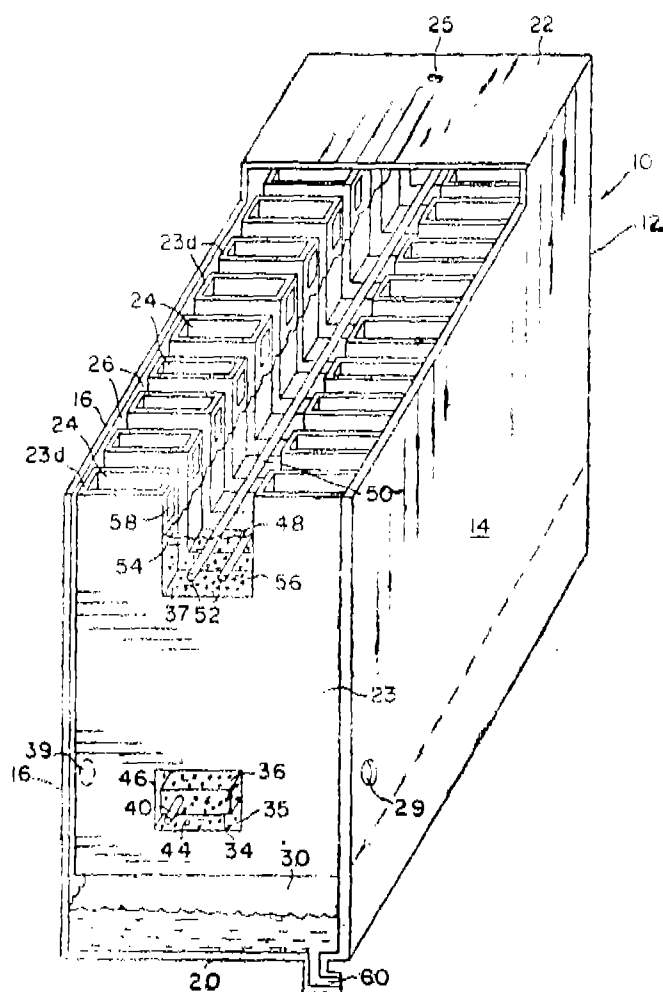


Application No. 464/MAS/89 filed June 14, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 27 Claims

Distillation apparatus comprising a housing having therein a compartment for receiving water to a predetermined level to leave a space above the water, a lower fluid-receiving chamber and a fluid passage extending between and in fluid communication with said space and fluid-receiving chamber; heating means positioned in the housing adjacent to and below said water level for heating water in the compartment to form a vapor in said space, and aerating means positioned below said heating means for aerating water in the compartment, wherein the vapor in the space moves downwardly through the fluid passage to the fluid-receiving chamber in heat exchange relationship with the water in the compartment thereby causing the vapor to condense to form a distillate separate from the water contained in the compartment in the fluid-receiving chamber.



(Com. 22 pages;

Drwgs. 8 sheets)

Ind. Cl. : 172-D<sub>9</sub>

174493

Int. Cl.<sup>4</sup> : D 01 H 1/32.

### A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : WERNER HARTMEIER, STEFAN HUEPPI.

2-387 GI/94

Application No. 482/MAS/89 filed June 20, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 10 Claims

A textile machine comprising at least one drafting arrangement having a driven cylinder, at least one spindle, at least one electric spindle motor drive connected to said spindle for rotating said spindle, a drafting arrangement drive having a position-controlled brushless dc motor drivingly connected to said cylinder, a position sensor connected to said motor for generating an actual value signal corresponding to the rotational position of the motor shaft, and a controller connected to said sensor to receive said signal and an integrated electronic commutator connected to said motor for activating said motor to drive said cylinder in a given ratio to the speed of the main drive by control of the rotational position of the motor shaft.

(Com. 15 pages;

Drwgs. 4 sheets)

Ind. Cl. : 172-C<sub>0</sub>

174494

Int. Cl.<sup>4</sup> : D01 G 13/00.

### A METHOD OF PRODUCING BLENDED TEXTILE FIBRES.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

#### Inventors :

- (1) DANIEL HANSELMANN.
- (2) RENE WAEBER.
- (3) EDUARD NUESLI.
- (4) ROBERT DEMUTH.
- (5) JURG FAAS.
- (6) PAUL STAHELI.
- (7) PETER FRITZSCHE.
- (8) CHRISTOF GRUNDLER.

Application No. 541/MAS/89 filed July 18, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 24 Claims

A method of producing blended textile fibres comprising extracting a fibre flock from each of a plurality of fibre bales of varying origin in accordance with the properties of the subsequently produced intermediate product, such as card sliver or yarn; blending the said extracted fibre flock components from different bales to form a uniform blend after determining the quantity of fibre flock extracted from respective bales by known metering devices and by controllably varying the proportion of fibre flock in the blend from respective bales according to the predetermined properties of said fibre bale in response to deviation of the blend from preset value of a specific characteristic of the said blend so as to eliminate the said deviation from the homogeneous uniform fibre blend.

(Com. 22 Claims;

Drwgs. 5 sheets)

Ind. Cl. : 40 H.

174495

Int. Cl.<sup>4</sup> : B 01 D 53/00.

### A PROCESS FOR PURIFYING COMBUSTION GASES CONTAINING CO<sub>2</sub> AND/OR H<sub>2</sub>S.

Applicant : BASF AKTIENGESSELLSCHAFT A GERMAN JOINT STOCK COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

#### Inventors :

1. WOLFGANG GERHARDT.
2. WERNER HEFNER.

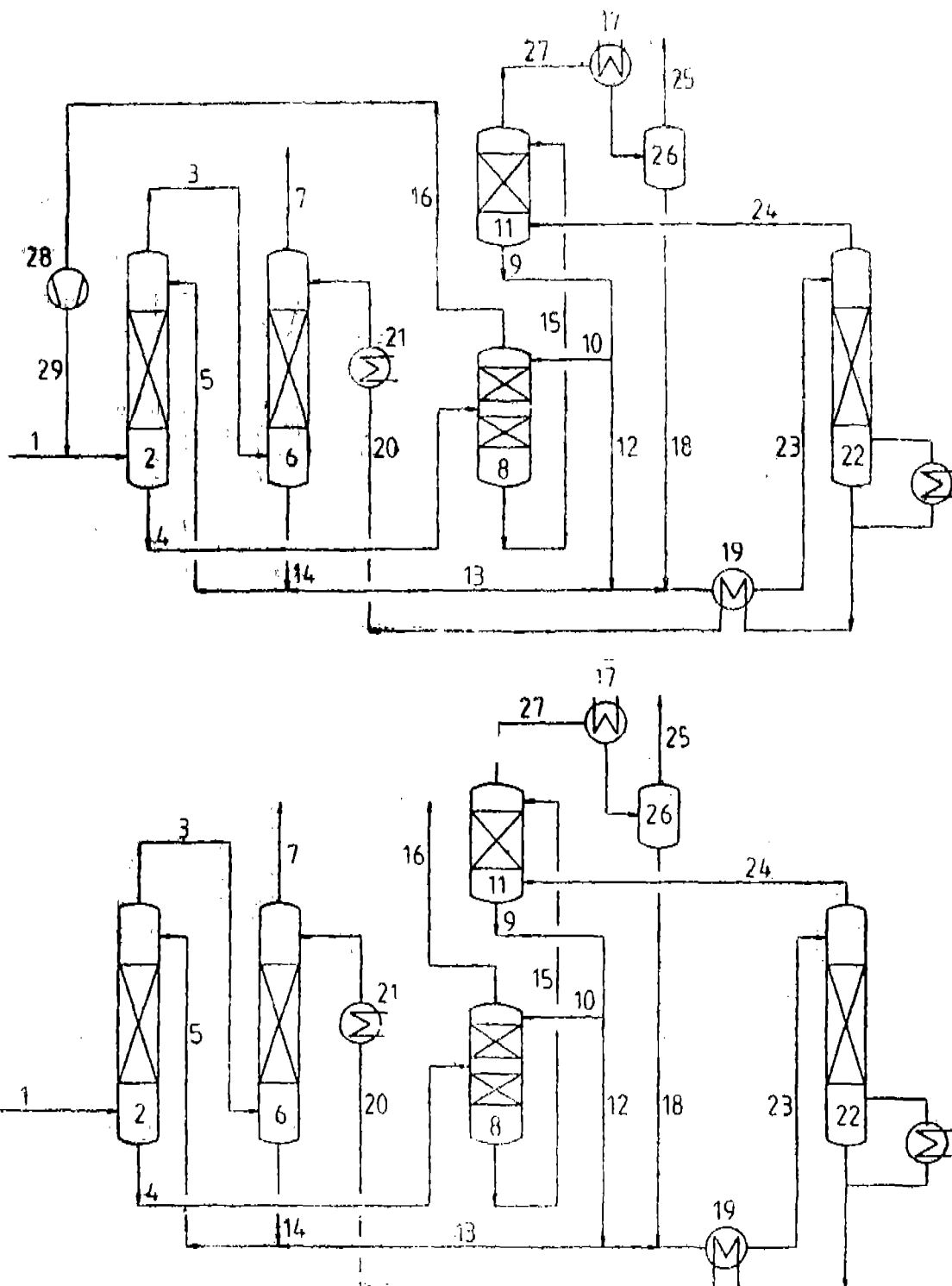
Application No. 607/Mas/89 filed on 14th August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), The Patent Office Branch, Madras-600 002.

### 11 Claims

A process for purifying combustion gases containing  $\text{CO}_2$  and/or  $\text{H}_2\text{S}$  comprising the steps of treating the combustion gas containing  $\text{CO}_2$  and/or  $\text{H}_2\text{S}$  in an absorption zone with an absorption liquid such as herein described, removing the treated gas from the absorption zone, regenerating the said absorption liquid obtained from the absorption zone laden with  $\text{CO}_2$  and/or  $\text{H}_2\text{S}$ , letting down in one or more let-down

stages the said absorption liquid; a let-down gas is taken off at the top of the first let-down stage or in the case of plurality of let-down stages at the top of one or more of the first to penultimate let-down stages and the partially regenerated absorption liquid obtained from the last let-down stage fed to a stripping zone for further regeneration, if required, removing from the regeneration stage, one or more acid gas streams containing the  $\text{CO}_2$  and  $\text{H}_2\text{S}$  and recycling the regenerated absorption liquid to the absorption zone, wherein a bleed stream of completely or partially regenerated absorption liquid is fed to one or more of the let-down stages from which the let-down gas is removed, at a point above the feed of the absorption liquid to the let-down.



Ind. Cl.: 32 F 4

174496

11 Claims

Int. Cl.: C 07 C 149/00.

**A PROCESS FOR PREPARING A POLYSULPHURIZED OLEFIN COMPOSITION.**

Applicant: INSTITUT FRANCAIS DU PETROLE OF 4 AVENUE DE BOIS—PREAU 92502 RUEIL—MALHAISON FRANCE, A FRENCH INSTITUTION.

Inventors:

1. MAURICE BORN.
2. LUCIENNE BRIQUET.
3. GUY PARC.
4. JACQUES LALLEMENT.

Application No. 640/Mas/89 filed on 25th August, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rule 1972), The Patent Office Branch, Madras-600 002.

**9 Claims**

A process for preparing a polysulphurized olefin composition having a sulphur content up to 65% by weight and a residual chlorine content below 0.1% by weight the said process comprising the steps of reacting at least one compound selected from sulphur dichloride and monochloride with at least one aliphatic monoolefin having 2 to 12 carbon atoms in an amount of 1.5 to 2.2 mole per mole of said sulphur monochloride and/or dichloride, at a temperature of 20 to 80°C to form an adduct; reacting 0.01 to 1 mole of hydrogen sulphide and 0.01 to 1 mole of at least one mercaptan per mole of hydroxide with ammonium or alkali metal hydroxide dissolved in 100 to 400 cm<sup>3</sup> at least one aliphatic monoalcohol having 1 to 4 carbon atoms per mole of hydroxide, which is substantially anhydrous, and optionally with element sulphur in a molar proportion up to 3.6/1 with respect to the hydroxide to obtain an alcoholic solution; mixing the said adduct and the said alcoholic solution at a temperature of 20 to 120°C with optional addition of at least one saturated or unsaturated monohalogenated hydrocarbon compound; heating the resulting mixture at a temperature of 50 to 120°C; eliminating the aliphatic monoalcohol by distillation, whilst adding a sufficient amount of water for maintaining the reagents and the mineral products formed during the reaction in solution; eliminating the aqueous phase and recovering the organic phase mainly constituted by the polysulphurized olefin composition.

(Comp. Specn. 30 pages;

No Drg.)

Ind. Cl.: 84-A

174497

Int. Cl.: C 10 L 3/00.

**A NON-CATALYTIC TWO-STAGE UPFLOW PROCESS FOR GASIFICATION OF A CARBONACEOUS MATERIAL AND AN APPARATUS THEREOF.**

Applicant: THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, UNITED STATES OF AMERICA.

Inventors:

- (1) JOHN P. HENLEY.
- (2) STANLEY R. PEARSON.
- (3) BRUCE C. PETERS.
- (4) LARRY L. LAFITTE.

Application No. 761/MAS/89 filed October 16, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch,

A non-catalytic two-stage upflow process for gasification of a carbonaceous material comprising the steps of (a) combusting in a fired horizontal slagging first stage reactor at a temperature of from 2400°F (1300°C) to 3000°C (1650°C) and a pressure of from 50 psig (345 kPa gage) to 600 psig (4140 kPa gage), a stream comprising an oxygen-containing gas and a slurry stream of a particulate carbonaceous material in which the liquid carrier is selected from water, hydrocarbons and CO<sub>2</sub> resulting in the formation of slag, steam, vapor from the liquid carrier, gaseous products selected from H<sub>2</sub> and CO, entrained sticky slag particles, vapor from aromatic hydrocarbon compounds, and entrained particulate char; (b) separating said slag; (c) contacting, in an unfired vertical second stage, the steam, vapor from the liquid carrier, gaseous products selected from H<sub>2</sub> and CO from step (a) at a temperature of 1600°F (870°C) and 2000°F (1100°C) with a second slurry stream of a particulate carbonaceous material in which the liquid carrier is selected from water, hydrocarbons, and CO<sub>2</sub>, whereby a substantial portion of the heat evolved in the first stage reactor is recovered and converting the second slurry stream of carbonaceous material into steam, vapor from the liquid carrier, synthesis gas and char, so that the sticky slag particles entrained with said gaseous products are cooled below their initial deformation temperature and are absorbed on the particulate char, preventing the fouling of heat transfer surfaces by said entrained particles; and (d) recovering additional heat values from said gaseous combustion products in a high temperature heat recovery system whereby the synthesis gas is cooled to a temperature from 450°F (230°C) to 550°F (230°C).

An apparatus (1) for carrying out the process as claimed in claim 1, comprising (a) horizontal cylindrical insulated fired slagging reactor (3) closed at both ends and having opposed maxing nozzles (6, 6a) substantially in alignment with the central longitudinal axis of said fired reactor (3), with a bottom slag tap hole (2) and an upper product gas vent (12) centrally located between said closed ends, (b) a transition piece (13) which is a frustoconical insulated section having an upper outlet (13a) and a wider lower inlet (13b) aligned with and encompassing said upper gas vent (5), and (c) a vertical cylindrical insulated unfired second stage reactor (4) closely communicating with said transition piece (13) and having a lower inlet (4a) encompassing and communicating with said transition piece upper outlet (13a), an injector nozzle (8) for quenching with a second slurry stream of particulate carbonaceous material the product gases from said fired reactor (3), and an upper product gas outlet (4b).

(Com. 32 pages;

Drwgs. 1 sheet)

Ind. Cl.: 119-C

174498

Int. Cl.: D 03 C 1/08.

**A DOUBLE LIFT OPENED DORRY.**

Applicants & Inventors: A WASEY OMAR & KHALED OMAR, BOTH CITIZENS OF PAKISTAN OF 9H MODEL TOWN LAHORE PAKISTAN

Application No. 820/MAS/89 filed November 6, 1989.

Complete Specification left: October 4, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch,

## 8 Claims

A double lift opended dobby for shedding the warp harnesses of a weaving loom selectively, comprising a drive mechanism having two drive knives reciprocated in opposite phases at half the frequency of the related loom; plurality of swing levers which are mounted and selectively operable on one and the same central shaft on which said drive knives are mounted and operated and, during use, transmit an inclined lift to the loom harnesses which they shed and to which they are individually connected; means for holding said swing levers in two static rest positions to define a static opended; linkage means carried directly in each swing lever for linking this lever selectively in either of said rest positions with either of said drive knives for movement therewith between said rest positions; and selection means to select said swing levers which are subsequently shed by said drive knives according to predetermined program of shedding.

(Com. 17 pages;

Drgns. 3 sheets)

Ind. Class : 93

174499

Int. Cl.<sup>4</sup> : B 22 F 9/08

# METHOD AND APPARATUS FOR THE PRODUCTION OF METAL GRANULES FROM MOLTEN METAL.

Applicant : UNDEHOLM LICENSING AKTIEBOLAG, OF UVAVAGEN 2, S-683 02, HAGFORS SWEDEN. A COMPANY ORGANISED UNDER THE LAWS OF SWEDEN.

Inventors : (1) PER-AKE LUNDSTROM  
(2) AKE WEST  
(3) GUNNAR A. ANDERSSON  
(4) JUHAN MAGI

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 9 Claims

A method for the production of metal-granules from molten metal comprising forming the molten metal into a falling stream and impacting the falling stream of molten metal against an impact element located above the surface of a water tank containing water the lowest position of the impact element being 5 to 50 cms. above the surface of water allowing the stream of molten metal to disintegrated by the impact against the impact element into drops which spread out in all radial direction from the impact elements, allowing the drops to fall down into the water in the water tank in an annular region covering a predetermined radial distance from the impact element by controlling the velocity of the stream of molten metal relative to the impact element at the time of impact against the impact element and the height of the impact element above the water surface allowing the drops of molten metal to sink in the water and solidify at least the surface during the travel towards the bottom of the tank wherein the radius of the annular region within which the majority of the drops hit the water surface is varied periodically and continuously by oscillating the impact element vertically through a distance of 10 to 100 cms. at a frequency of 30 to 300 cycles per minute and maintaining the total height of the fall of the stream of molten metal constant between 40 to 200 cms.

(Com. : 17 pages;

Drwgs. : 6 sheets)

Ind. Class : 32-F<sub>2</sub>/a)Int. Cl.<sup>4</sup> : C 07 C 91/44.

A PROCESS FOR THE PREPARATION OF SUBSTITUTED OR UNSUBSTITUTED PARA AMINOPHENOLIC COMPOUND FROM THE CORRESPONDING NITRO-BENZENE.

Applicant : RHONE-POULENC CHIMIE, A FRENCH BODY CORPORATE OF 25, QUAI PAUL DOUMER, 92408, COURBEVOIE CEDEX, FRANCE.

Inventors : (1) M. GUBELMANN  
(2) C. MALIVERNEY

Application No. 136/MAS/93 filed on February 24, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 17 Claims

A process for the preparation of substituted or unsubstituted para-aminophenolic compound from the corresponding nitrobenzene having the para position free with respect to the nitro group, wherein the said nitro benzene is hydrogenated by known methods in a saturated mono carboxylic acid solution in the presence of a protonic acid, the quantity of the said protonic acid being based on the number of equivalents of protons to the number of nitro benzene molecules and ranges from 0.5 to 5.0, the resulting para aminophenol being recovered from the reaction mixture by known means.

(Com. : 17 pages)

Cl. 35 E + 80 A, + 80 K.

174501

Int. Cl.<sup>4</sup> B 01 D 35/28,

C 04 B 38/00.

# A CERAMIC FILTER FOR FILTERING MOLTEN METAL.

Applicant : GEORG FISCHER AG, OF CH-8201 SCHAFFHAUSEN, SWITZERLAND.

Inventors : (1) WERNER KALLISCH,  
(2) REINER STOTZEL,  
(3) ROLF RIETZSCHER.

Application No. 49/Cal/90; filed on 19th January, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

## 5 Claims

A ceramic filter for filtering molten metal having an open-celled foam structure, the filter having two opposed through-flow faces extending transversely to the direction of through-flow of the molten metal to be filtered, and at least one side face extending substantially in the direction of through-flow characterized in that said at least one side face has an impervious closed layer of refractory material of a depth of 0.5 to 3 mm extending around the whole. lateral extent of said side face or faces and substantially all free ends of cell membranes of the foam structure at the surface of the through-flow faces are coated by a cover layer of refractory material.

(Compl. Specn. 16 pages;

Drgns. 3 sheets)

Cl. 32 F 1

174502

Int. Cl.<sup>4</sup> : C 07 B 39/00,

C 07 C 19/00, 19/08.

# AN IMPROVED CATALYTIC PROCESS FOR THE MANUFACTURE OF 1, 1, 1, 2-TETRAFLUOROETHANE.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : LEO ERNEST MANZER.

Application No. 85/Cal/1990; filed on 30th January 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

### 9 Claims

An improved process for the manufacture of 1, 1, 1, 2-tetrafluoroethane wherein HF is reacted with trichloroethylene in a reaction zone in the presence of a catalyst composition at elevated temperature to form a product mixture comprising 1, 1, 1, 2-tetrafluoroethane, 2-chloro-1, 1, 1-trifluoroethane and optionally, other organic by-products, and wherein 1, 1, 1, 2-tetrafluoroethane is recovered from the product mixture, characterized by :

passing HF over the catalyst composition such as herein described at a temperature from about 200°C to 450°C;

recycling a portion of the product mixture including the 2-chloro-1, 1, 1-trifluoroethane therein to the reaction zone;

adding to reaction zone additional trichloroethylene in a molar amount at least equal to the molar amount of 1, 1, 1, 2-tetrafluoroethane which recovered from the mixture and additional HF in a molar amount from 3 to 30 times the molar amount of additional trichloroethylene;

conducting the reaction of the trichloroethylene with HF and the reaction of 2-chloro 1, 1, 1-trifluoroethane with HF at a temperature and at a contact time in the presence of said catalyst composition selected to form a product mixture comprising 1, 1, 1, 2-tetrafluoroethane and 2-chloro-1, 1, 1-trifluoroethane, and having less than about 10 percent by weight of said other organic by-products; and

recovering in a known manner 1, 1, 1, 2-tetrafluoroethane from the product mixture as the major product of the process;

said catalyst composition comprising at least one metal selected from the group consisting of trivalent chromium, Group VIII, Group VIIB, Group IIIB, Group IB and metals having an atomic number from 58 to 71.

(Compl. Specn. 17 pages;

Drgns. Nil.)

Cl. 136 E, 155 D.

174503

Int. Cl. B 29 C 53/22.

"HEAT SHRINKABLE REPAIR COVER FOR PRESURISED CABLES".

Applicant : RXS SCHRUMPFTECHNIK-GARNITUREN GMBH. OF PROFILSTER. 4, 5800 HAGEN 1, WEST GERMANY.

Inventor : JOSEPH-GORDON ROBINSON.

Application No. 121/Cal/1990; filed on 07th February, 1990.

(Convention Nos. 8904837 & 8916846; 3-3-89 & 24-7-89; respectively; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

### 22 Claims

A heat-recoverable wrap-around sleeve comprising a corrugated or pleated plastic layer sandwiched between two layers of a plastic material, and having a grooved protrusion along both longitudinal edges, a flexible metal channel adapted to hold the longitudinal edges in close proximity during heat recovery of the sleeve.

(Compl. Specn. 13 pages;

Drgns. 2 sheets)

Cl. 155 D, E.

174504

Int. Cl. D 04 H 1/06, 1/40.

"AN IMPROVED APPARATUS FOR FORMING A COMPLEXLY SHAPED PRODUCT".

Applicant : JOHNSON & JOHNSON. OF ONE JOHNSON & JOHNSON PLAZA NEW BRUNSWICK, NJ 08953, UNITED STATES OF AMERICA.

Inventors : (1) ALLAN PETER FARRINGTON,  
(2) GERALD MAXWELL MARSHALL.

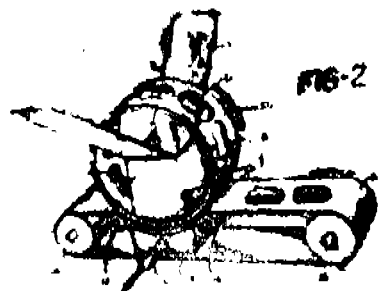
Application No. 126/Cal/90; filed on 08th February, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

### 11 Claims

In an apparatus for forming a complexly shaped product, the apparatus comprising at least one fiber supply means to supply opened fibers to an air stream which air stream entrains and transports said fibers to a condensing surface, the improvement comprising :

- (a) a moving foraminous surface forming said condensing surface positioned to pass through said air stream substantially transversely thereto;
- (b) a continuous molding loop defining at least one mold, for receiving entrained fibers from said air stream which are condensed on said foraminous surface within said mold to form a product having a shape defined in part by said mold and said foraminous surface, said mold comprising :
  - (i) a first mold portion adjacent said foraminous surface defining an opening of predetermined shape and dimensions; and
  - (ii) a second mold portion separated from said foraminous surface by at least said first mold portion and defining an opening of predetermined shape and dimensions which blocks a part of the opening defined by said first mold portion; and
- (c) means for moving said molding loop along a path which passes in part adjacent to and in the same direction of movement as said foraminous surface and in part away from said foraminous surface leaving products formed in said mold deposited on said foraminous surface.



(Compl. Specn. 16 pages;

Drgns. 2 sheets)

Cl. 127 I.

174505

Int. Cl. F 16 C, 35/07.

"DEVICE FOR ROTATABLY MOUNTING A ROTATING PART INTO A HOUSING".

Applicant : R.K.S. (A FRENCH BODY CORPORATE). OF ROUTE DE VASSY-B.P. 116, F-89200 AVALLON, FRANCE.

Inventors : (1) MICHEL NICOLAS,  
(2) PIERRE BOURGEOIS-JACQUET.

Application No. 142/Cal/1990; filed on 14th February, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

### 8 Claims

A device for rotatably mounting a rotating part (1) into a housing, said rotating part having two opposite shaft ends (3, 4), comprising :

a first bearing (5) located between a first of said two shaft ends (3) and the housing, said first bearing comprising a first inner race member (10), a first outer race member (8) surrounding said first inner race (10), and first rolling elements (7) positioned between said first inner race member and said first outer race member such as to transmit axial and radial forces between said two first race members;

a second bearing (6) located between the second of said two shaft (4) ends and the housing, said second bearing comprising a second inner race (11) member, a second outer race member (9) surrounding said second inner race member, and second rolling (7) elements positioned between said second inner race member and said second outer race member such as to transmit axial and radial forces between said two second race members;

first locking means (12) for axially securing said first inner race member to said rotating part around said first shaft end;

second locking means (12A) for axially securing said second inner race member to said rotating part around said second shaft end;

third locking means (13, 15) for radially centering said first inner race member on said first shaft end;

fourth locking means (13A, 15A) for radially centering said second inner race member on said second shaft end;

fifth locking means (20) for axially securing said first outer race member to said housing;

sixth locking means (24, 25) for radially locking said first outer race member to said housing, and

seventh locking means (24A, 25A) for simultaneously axially and radially locking said second outer race member to said housing.

whereby all said locking means are actuable after mounting of the rotating part into the housing.

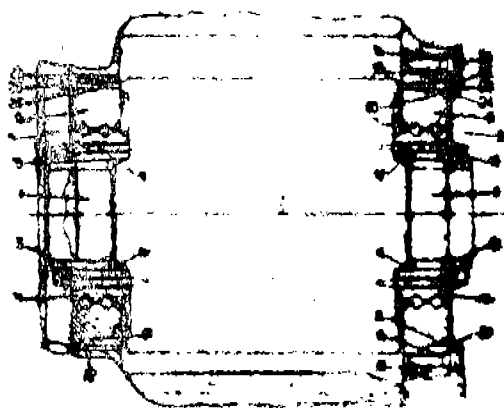


Fig. 1

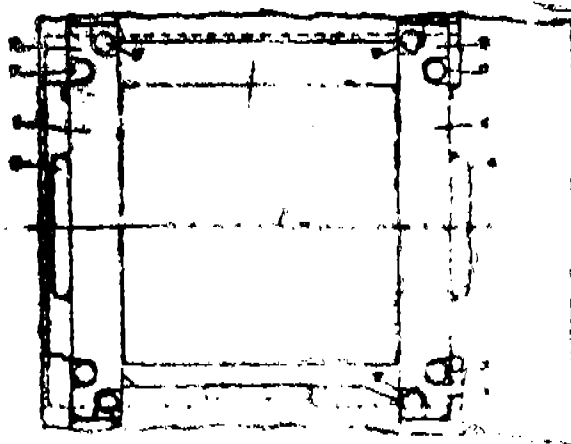


Fig. 2

(Compl. Specn. 11 pages;

Drgns. 2 sheets)

Cl. 144 A.

174506

Int. Cl. B 05 C, 1/04.

"A COATER APPARATUS".

Applicant : BELOIT CORPORATION, OF 1, ST. LAWRENCE AVENUE, BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventors : (1) ROBERT WILLIAM CARLSON,  
(2) GERALD RICHARD GARDE,  
(3) JOHN HARRY SCHAMELL,  
(4) JAY ANDERSON SHANDS.

Application No. 217/Cal/1990; filed on 15th March, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Calcutta.

### 9 Claims

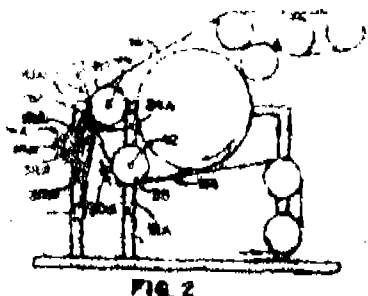
A coater apparatus for applying a primary flow of coating material to a moving web of paper, said apparatus comprising :

a frame;

a first and a second guide roll rotatably supported by said frame, said first guide roll rotating about a first rotational axis, said second guide roll rotating about a second rotational axis, said second axis being disposed spaced and parallel relative to said first axis;

a backing blanket extending around and being guided by said guide rolls, said blanket defining an endless loop around said guide rolls such that the web of paper is supported by said blanket during movement of the web from said first guide roll to said second guide roll, said blanket being disposed between the web and said guide rolls; and

a short dwell coater disposed adjacent to the web and between said guide rolls for applying the primary flow of coating material to the web while the web supported by said blanket is moving in a plane disposed tangentially relative to said guide rolls such that secondary flows within said coater are inhibited.



(Compl. Specn. 17 pages;

Drgns. 1 sheets)

Cl. 128 F.

174507

Int. Cl.<sup>4</sup> A 61 M 5/18.

"INJECTION SYRINGES".

Applicant & Inventor : EWALD PICKHARD, OF A-1160 WIEN, REDTENBACHERGASSE 15 AUSTRIA.

Application No. 382/Cal/1990; filed on 11th May, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Calcutta.

59 Claims

An injection syringe comprising a cylinder, a piston guided in the cylinder and a piston rod connected to the piston particularly by acoupling device, the length of the piston rod being greater than the length of the cylinder, and further comprising a coupling arrangement at the side of the cylinder remote from the piston rod, whereby an injection needle can be coupled to the cylinder, characterised in that a safeguard (201, 317) against reuse in associated with the said coupling arrangement by providing a very thin rupturing member (212, 336) to be ruptured in the very first use allowing ambient air to enter into cylinder disrupting creation of vacuum for further sucking of medicine.



Fig.-1

(Compl. Specn. 45 pages;

Drgns. 7 sheets)

Cl. 32 C.

174508

Int. Cl.<sup>4</sup> C 07 C 143/70.

"PROCESS FOR THE PREPARATION OF AROMATIC SULFONYL CHLORIDES".

Applicant : HOECHST AKTIENGESELLSCHAFT. OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

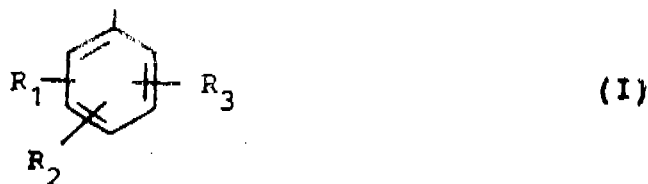
Inventors : (1) MICHAEL MEIER,  
(2) WOLFGANG TRONICH.

Application No. 468/Cal/1990; filed on 4th June, 1990.

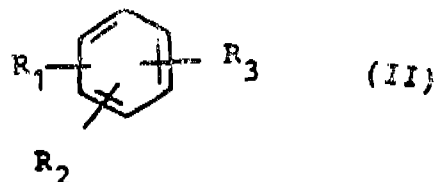
Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of aromatic sulfonyl chlorides of the formula I.



in which  $R_1$ ,  $R_2$  and  $R_3$  are identical or different and are hydrogen, fluorine, chlorine, broine or iodine atoms, alkyl, ( $C_1$ - $C_4$ ), acetamido, nitro or carboxyl groups, or  $R_1$  and  $R_2$  together from an aromatic or heteroaromatic ring, having 5 or 6 ring members, which can be substituted by fluorine, chlorine, bromine or iodine atoms, alkyl ( $C_1$ - $C_4$ ), acetamido, nitro or carboxyl groups, by reaction of aromatic compound of the formula II.



in which  $R_1$ ,  $R_2$  and  $R_3$  have the abovementioned meanings, with chlorosulfonic acid in excess or with chlorosulfonic acid or oleum and thionyl chloride, which comprises reacting in the presence of sulfamic acid as a catalyst.

(Compl. Specn. 14 pages.

Drgs. Nil.)

Cl. 116 G.

174509

Int. Cl. B 65 H, 5/22.

"APPARATUS FOR REMOVING BLANKS FROM A PILE AND CONVEYING THEM ONWARDS".

Applicant : ELPATRONIC AG. OF BAARERSTRASSE 117, 6300 ZUG, SWITZERLAND.

Inventor : STIEGER OTHMAR.

Application No. 525/Cal/1990; filed on 25th June, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

## 7 Claims

Apparatus for removing blanks, particularly blanks for can bodies of sheet metal, from a stack and conveying them onwards, having.

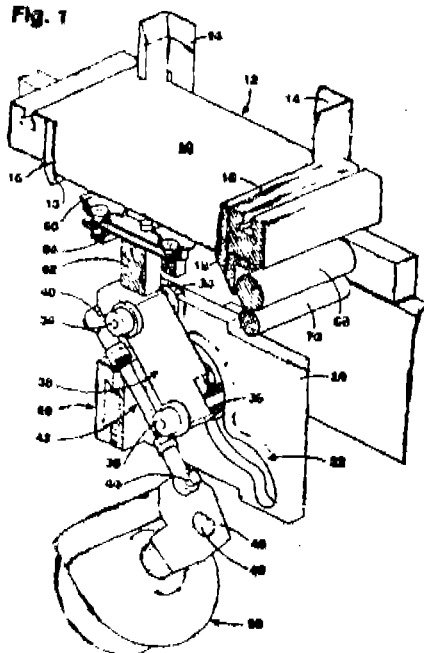
— at least one holding member (66) which can be laid against an exposed blank in a stack (12), in order to grasp it,

— at least one pair of X-shaped guides, each of which has two portions (24, 26; 26, 28) extending transversely to the plane of the blanks and a portion (30; 32) disposed therebetween and extending substantially parallel to the plane of the blanks,

— a support (38) which carries the holding member (66) and comprises at least one pair of cam follower members (34, 36) which are each guided in portions of the two guides corresponding to one another, and

— conveying members (68, 70) which convey onwards the blank (10) delivered to them by the support (38), characterised in that the two guides are combined to form a serpentine guide curve (22) in which a portion (26) extending transversely to the plane of the blanks is common to both guides and is travelled over successively by the two cam follower members (34, 36).

Fig. 1



(Compl. specn. 11 pages;

Drgns. 2 sheets.)

Cl. 154 D, 191

174510.

Int. Cl. B 41 J 32/00.

A REFILLABLE INK RIBBON CARTRIDGE COMPOSED OF AN ADAPTER AND A REFILL UNIT.

Applicant : FRANZ BUTTNER AG. OF GEWERBESTRASSE 9, CH-8132 EGG, SWITZERLAND,

Inventor : MARKUS BURGIN.

Application No. 526/Cal/1990; filed on 25th June, 1990.

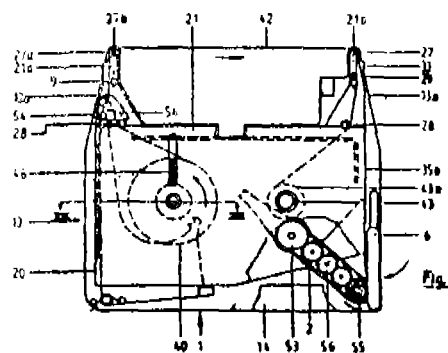
Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

## 15 Claims

A refillable ink ribbon cartridge composed of an adapter and a refill unit,

said adapter comprising a housing formed with two housing legs protruding from a body portion, each of said housing legs adjacent its free end including a separate centering body, a drive wheel mounted on a free end of a drive lever

which is spring loaded into an engaged position and manually pivotable into a loading position, said drive wheel being connected to a drive pin for engagement with a typewriter; said refill unit comprising a support containing a ribbon supply, said support having a support body and two separate legs integrally formed with and protruding from the support body, each support leg bearing a separate ribbon guide element at its free end and a separate centering element adjacent its free end, said centering elements being centered on the respective centering bodies of the housing legs, said drive wheel engaging the ribbon of said ribbon supply for advancing the ribbon over the ribbon guide elements.



(Compl. specn. 24 pages;

Drgns. 6 sheets.)

PATENT SEALED ON

25-11-94

173137\* 173159 173160 173194 173195 173203 173250\*D  
173294 173310\* 173311 173312 173314 173315 173317  
173318 173319 173320 173322 173323 173324\*D 173325\*D  
173326\*D 173329\*D 173330\*D 173333 173335\*D  
173336\*D 173337\*D 173338\*D 173339\*D 173340\*D  
173341\* 173342 173343 173344\*D 173345 173621

CAL-12, DEL-15, BOM-Nil, MAS-10

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D-DRUG PATENT, F-FOOD PATENT.

## RENEWAL FEES PAID

154389	154390	156541	156547	156551	156780	156784
156795	156841	156843	157162	157991	158262	158281
158307	158373	158414	158470	158515	158519	158535
158864	158976	159542	159625	159626	159830	159898
159907	159989	160047	160418	160529	160575	160741
160876	160920	161057	161196	161219	161326	161455
161497	161498	161954	162053	162056	162137	162286
162725	163051	163060	163175	163760	163833	163833
163903	164316	164412	164413	164758	164980	165234
165268	165269	165410	165525	165527	165593	165635
165876	165999	166029	166055	166096	166143	166231
166232	166233	166234	166235	166237	166261	166261
166272	166349	166350	166397	166497	166587	166588
166654	166663	166777	166828	166861	166918	166966
166967	166968	167028	167055	167310	167549	167550
167582	167585	167638	167664	167753	167848	167852
167854	167875	167958	167959	167972	168014	168032
168042	168361	168426	168465	168469	168584	168584
168667	168703	168704	169272	169461	169782	169844
169874	169943	169980	170043	170065	170064	170069



170080 170169 170213 170262 170352 170353 170968  
 170970 171011 171047 171149 171178 171278 171284  
 171357 171365 171457 171459 171593 171624 171633  
 171637 171639 171647 171650 171670 171672 171679  
 171680 171715 171784 171786 171788 171789 171858  
 171860 171905 171940 171954 171963 171993 172016  
 172112 172113 172153 172184 172203 172219 172224  
 172228 172260 172269 172301 172365 172367 172450  
 172479

#### CESSATION OF PATENTS

161207 161231 161245 161251 161256 161267 161295  
 161298 161346 161348 161352 161353 161366 161383  
 161397 161416 161418 161420 161443 161446 161459  
 161494 161495 161496 161518 161523 161524 161528  
 161630 161633 161643 161655 161664 161699 161727

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of patent No. 169166 dated the 19th April, 1988 made by Sponge Iron India Limited on the 7th February, 1994 and notified in the Gazette of India Part III, Section 2 dated the 7th May, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of patent No. 169405 dated the 12th March, 1994 made by Ammonia casale S. A. and Umberto Zardi on the 4th March, 1994 and notified in the Gazette of India Part III, Section 2 dated the 4th June, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of patent No. 169797 dated the 1st June, 1987 made by Rosemount Inc. on the 25th April, 1994 and notified in the Gazette of India Part III, Section 2 dated the 18th June, 1994 has been allowed and the said Patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169830 granted to Hoechst India Limited for an invention relating to "a process for the production of a new antibiotic deoxymulundocandin etc.

The Patent ceased on the 1st Nov. 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2 dated the 17th December, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before 24-2-95 the under Rule-69 of the Patents Rules 1972. A written Statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filled with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for Period of two years from the date of registration except as provided for Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 10. No. 167250, Bata India Limited, 30, Shakespeare Sarani, Calcutta 700017, West Bengal, India, "FOOTWEAR", 26th April 1994.

Class 10. No. 167240, 167247 & 167261, Bata India Limited, 30, Shakespeare Sarani, Calcutta 700017, West Bengal, India, "FOOTWEAR", 26th April 1994.

Class 10. No. 166808 & 166809, Bata India Limited, 30 Shakespeare Sarani, Calcutta 70017, West Bengal, India, "FOOTWEAR", 8th February 1994.

Class 10. No. 165401 & 165403, Alert India, a partnership firm of address A/137/6, Group Industrial Area, Wazirpur, Delhi 110052, India, "SOLE OF FOOTWEAR", 4th March 1993.

Class 10. No. 166782, Madan Plastic Industry, A/ 71, Naraina Industrial Area Phase I, New Delhi 110028, India, an Indian partnership firm, "SHOE", 31st January 1994.

Class 10. No. 166806 & 166807, Bata India Limited, 30, Shakespeare Sarani, Calcutta 700017, West Bengal, India, "FOOTWEAR", 8th February 1994.

Class 10. No. 166219 to 166222, Bata India Limited, 30 Shakespeare Sarani, Calcutta 700017, West Bengal, India, "FOOTWEAR", 20th September 1993.

Class 10. No. 165551 to 165557 Alert India a partnership firm of address C/1, S.M.A. Industrial Estate, G.T. Karnal Road, Delhi 33, India, "FOOTWEAR", 20th April 1993.

Class 10. No. 165400 & 165402, Alert India, a partnership firm of address A/137/6, Group Industrial Area, Wazirpur, Delhi 110052, India, "SOLE OF FOOTWEAR", 4th March 1993.

Class 10. No. 165447 165548 & 165550, Aaraay Products Pvt. Ltd. of address C/1, S.M.A. Industrial Estate, G.T. Karnal Road, Delhi 33, India, "FOOTWEAR", 20th April 1993.

Class 10. No. 165462, ICT Industries, a registered partnership firm under the Indian Partnership Act, having office at Swastik Industrial compound, Chincholi Bunder Road, Malad(W), Bombay 400064, Maharashtra, India, "SOLE OF FOOTWEAR", 24th March 1993.

Class 10. No. 167260, 167251 to 167254, 167256 & 167257, Bata India Limited, 30 Shakespeare Sarani, Calcutta 700017, West Bengal, India, "FOOTWEAR", 26th April, 1994.

Class 3. No. 166012, Tata Keltron Limited Incorporated in India, Kaniikode West, Palghat 678623, Kerala, India, "TELEPHONE", 10th August 1993.

Class 3. No. 166498, Mefina Sa, a company duly organised under the laws of Switzerland of Rue de Lausanne 82, 1701 Fribourg, Switzerland, "SEWING MACHINE", 15th November 1993.

Class 3. No. 166304, Philips Electronics N.V., a limited liability company organized and established under the laws of the Kingdom of the Netherlands carrying on business as Manufacturers at Groenewoudseweg 1, Eindhoven, The Netherlands, "A DRY SHAVER", 10th June 1993.

Class 3. No. 166819, Flamagas, S.A. a Spanish Joint Stock Company of Sates I Ferrer 7, 08026 Barcelona, Spain, "KITCHEN LIGHTER", 9th February 1994.

R. A. ACHARYA,

Controller General of Patent, Design & Trade Mark

प्रबन्धक, भारत सरकार मुद्रणालय, करोदाबाद द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1994

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD,  
 AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1994

